



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name -----Oil Trust Fund
Sample Collection Date(s)-- 06/30/10
Contact----- Rich Mayer (6PD-F)
Report Date-----07/06/10
Project #----- 10REG187
Work Order(s)-----1007001

Analyses included in this report:

LC DOSS

Report Narrative

Sample Management:

Sample 1007001-02 was received at 9°C.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief



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Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund

Project Number: 10REG187

Data Management Coordinator: Christy Warren

Data Management Coordinator Signature

Date

Date Transmitted: ____/____/____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

Signature

Date

Please provide a reason for holding:



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T001-2001-100630-SW-1	1007001-01	Liquid	6/30/10 8:56	07/01/10 09:05
T007-BG04-100630-SW-1	1007001-02	Liquid	6/30/10 10:40	07/01/10 09:05



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DOSS by LC/MS/MS

Lab ID: 1007001-01

Station ID: T001-2001-100630-SW-1

Batch: B0G0102

Date Collected: 06/30/10

Sample Type: Liquid

Sample Volume: 28 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	249		94.0	70-130	07/01/10	07/01/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diocetyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/01/10	07/01/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



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DOSS by LC/MS/MS

Lab ID: 1007001-02

Station ID: T007-BG04-100630-SW-1

Batch: B0G0102

Date Collected: 06/30/10

Sample Type: Liquid

Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	317		94.3	70-130	07/01/10	07/01/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		19.1	1	07/01/10	07/01/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



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DOSS by LC/MS/MS - Quality Control

Batch: B0G0102

Sample Type: Liquid

Blank (B0G0102-BLK1)

Prepared: 7/1/2010 Analyzed: 7/1/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	361		370	97.7 70-130

Blank (B0G0102-BLK1)

Prepared: 7/1/2010 Analyzed: 7/1/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit
Diocetyl sulfosuccinate, sodium salt	U	20.0

LCS (B0G0102-BS1)

Prepared: 7/1/2010 Analyzed: 7/1/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	348		370	94.0 70-130

LCS (B0G0102-BS1)

Prepared: 7/1/2010 Analyzed: 7/1/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit	Spike Level	%REC Limits
Diocetyl sulfosuccinate, sodium salt	111	20.0	100	111 50-150



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DOSS by LC/MS/MS - Quality Control

Batch: B0G0102

Sample Type: Liquid

Duplicate (B0G0102-DUP1)

Source: 1007001-01

Prepared: 7/1/2010 Analyzed: 7/1/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	226		218	104 70-130

Duplicate (B0G0102-DUP1)

Source: 1007001-01

Prepared: 7/1/2010 Analyzed: 7/1/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	U		19.4		U	30

Matrix Spike (B0G0102-MS1)

Source: 1007001-02

Prepared: 7/1/2010 Analyzed: 7/1/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	331		352	94.0 70-130

Matrix Spike (B0G0102-MS1)

Source: 1007001-02

Prepared: 7/1/2010 Analyzed: 7/1/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits
Diocetyl sulfosuccinate, sodium salt	111		19.5	95.2	U	117 50-150

Sample Temp = 30°C



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Notes and Definitions

A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.